

Title (en)
FIBROUS PREFORM OF A TURBOMACHINE BLADE MADE OF COMPOSITE MATERIAL WITH IN-BUILT PLATFORM, AND METHOD OF PRODUCING SAME

Title (de)
FASERVORFORM FÜR EINE TURBOMASCHINENSCHAUFEL AUS VERBUNDMATERIAL MIT INTEGRIERTER PLATTFORM UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
PRÉFORME FIBREUSE D'UNE AUBE DE TURBOMACHINE EN MATÉRIAU COMPOSITE À PLATE-FORME INTÉGRÉE, ET SON PROCÉDÉ DE RÉALISATION

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Abstract (en)
[origin: WO2013104852A2] The invention relates to a method for producing a fibrous preform for the manufacture of a turbomachine blade made of composite material, the method involving using three-dimensional weaving to create a fibrous rough form (100) in a single piece with layers of longitudinal threads (c1 to c24) joined together by threads of layers of transverse threads (t1 to t24), and shaping the fibrous rough form to obtain a fibrous preform in a single piece having a part that forms the aerofoil preform and at least a part that forms a platform preform. During the course of the weaving process, the threads (c5 to c7) of a first group of longitudinal threads are led out from the fibrous rough form on the side of one of the lateral faces (110a) of the rough form to form a part (120) that corresponds to a preform of a blade platform, and threads (c3 and c4) of a second group of longitudinal threads are injected into the fibrous rough form with mutual criss-crossing between the threads of the first group and the threads of the second group. The invention also relates to a preform obtained using this method.

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